

The following Listing of Claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims:

1. (Currently amended) A component positioning and securing bracket assembly, comprising:

a front rail, a rear rail, and a bottom rail to define a front, a rear, and a bottom boundary of the component positioning and securing bracket assembly, the front rail, the rear rail, and the bottom rail defining a structure into which is received the component;

a top plate for attaching to the component, the top plate including a keyed tail portion;

a tail receptacle for receiving the keyed tail portion, the tail receptacle configured to the rear rail;

a nose receptacle portion of the front rail for receiving a nose portion of the top plate;

a power and data connector to connect to the component; and

a lever to provide leveraged motion, the leveraged motion causing the keyed tail portion to be received into the tail receptacle to positively hold and rigidly support the component in place and effecting a connection of the component to the power and data connector and securing the component in the component positioning and securing bracket,

wherein the component positioning and securing bracket assembly is in an array of a plurality of components.

2. (Original) The component positioning and securing bracket assembly of claim 1, wherein the array of a plurality of components is one array of a plurality of arrays in an array chassis.

3. (Original) The component positioning and securing bracket assembly of claim 1, wherein the component is a computer component.

4. (Original) The component positioning and securing bracket assembly of claim 3, wherein the computer component is a hard drive.

5. (Original) The component positioning and securing bracket assembly of claim 2, wherein the component is a computer component and the plurality of arrays in the array chassis is a plurality of arrays of computer components in the array chassis of a computer system rack.

6. (Original) The component positioning and securing bracket assembly of claim 2, wherein when the leveraged motion provides horizontal motion to secure the component in the component positioning and securing bracket assembly within the one array of a plurality of arrays in an array chassis.

7. (Original) The component positioning and securing bracket assembly of claim 1, wherein the power and data connector is attached to the front rail and wherein the bottom rail defines a lower boundary of the component positioning and securing

bracket assembly such that when the component is received in the structure defined by the front rail, the rear rail, and the bottom rail, a power and data port of the component is aligned with the power and data connector.

8. (Currently amended) In an array of a plurality of disk drive components, a disk drive positioning and securing bracket assembly, comprising:

a device surrounding component for holding a disk drive;

a forward mounting post attached to an array chassis;

a rear mounting post attached to the array chassis; and

a lever to provide leveraged movement to the disk drive, the lever positioned on a side surface of the disk drive to be located within the array of the plurality of disk drive components,

wherein the device surrounding component includes a device positioning key and forward tabs, the device positioning key and forward tabs configured to be received in the rear mounting post and in the forward mounting post such that the device surrounding component having the disk drive therein is received in the rear mounting post and in the forward mounting post in a first direction of motion, and the lever provides leveraged movement in a second direction of motion positioning the device positioning key into the forward tabs to secure the disk drive.

9. (Original) The disk drive positioning and securing bracket assembly of claim 8, further comprising:

a power and data connector disposed within the forward mounting post; and

T-slots formed in the rear mounting post,

wherein when the lever provides leveraged movement in the second direction of motion to secure the disk drive, the device positioning key moves through the T-slots and a power and data port of the disk drive mates with the power and data connector.

10. (Original) The disk drive positioning and securing bracket assembly of claim 8, wherein the array of a plurality of disk drive components is disposed within an array chassis having a plurality of arrays of disk drive components.

11. (Original) The disk drive positioning and securing bracket assembly of claim 8, wherein the rear mounting post includes a keyway for receiving the device positioning key in the first direction of motion.

12. (Original) The disk drive positioning and securing bracket assembly of claim 9, wherein when the lever provides leveraged movement to secure the disk drive, the forward tabs are disposed within the forward mounting post and adjacent to the power and data connector.

13. (Original) The disk drive positioning and securing bracket assembly of claim 8, wherein the disk drive positioning and securing bracket assembly is constructed of materials including hard plastic and stainless steel alloy.

14. (Original) The disk drive positioning and securing bracket assembly of claim 8, wherein the first direction of motion is a vertical direction of motion and the second direction of motion is a horizontal direction of motion.

15-20. Canceled.